

Data File : VW014839.D
Acq On : 03 Feb 2020 17:23
Operator : SY/VA
Sample : L1323-08MSD
Misc : 5.05G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT46MSD

Quant Time: Feb 04 06:56:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 06:54:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1150042	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1021068	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	449242	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	319795	17.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.00%
7) Chloroethane-d5	2.89	69	311595	18.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.36%
10) 1,1-Dichloroethene-d2	4.02	63	747149	19.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.12%
20) 2-Butanone-d5	7.07	46	224115	33.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.20%
24) Chloroform-d	7.65	84	743049	20.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.16%
26) 1,2-Dichloroethane-d4	8.30	65	409962	19.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.68%
29) Benzene-d6	8.27	84	1588761	22.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.28%
33) 1,2-Dichloropropane-d6	9.27	67	522854	22.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.64%
37) Toluene-d8	10.32	98	1423068	22.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.60%
38) trans-1,3-Dichloropropene-	10.57	79	185483	19.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.44%
39) 2-Hexanone-d5	10.92	63	189759	41.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	351600	19.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	430068	22.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.40%

Target Compounds

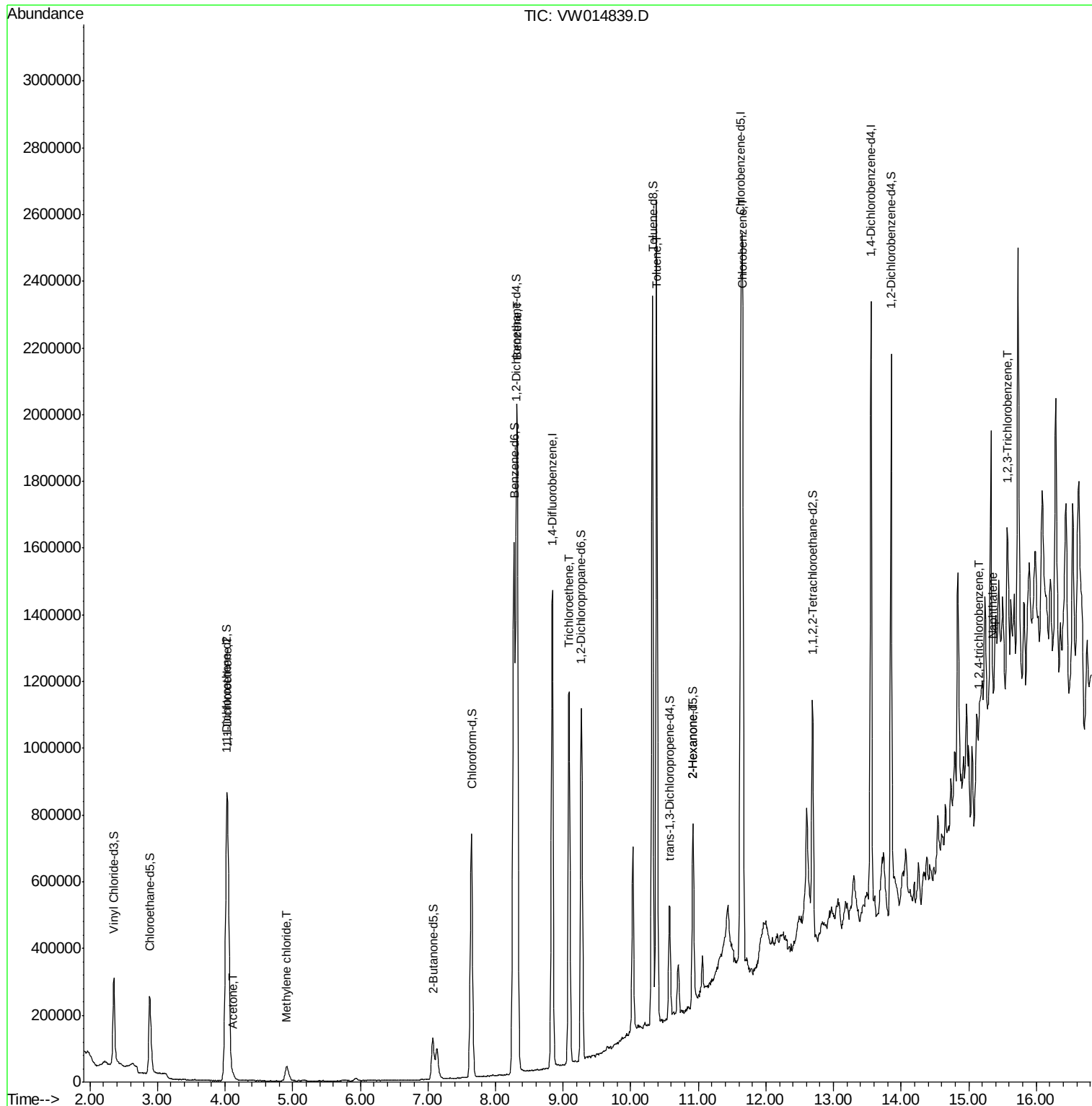
						Qvalue
12) 1,1-Dichloroethene	4.04	96	344826	20.531	ug/L	95
13) Acetone	4.12	43	18657	2.548	ug/L	94
16) Methylene chloride	4.92	84	37028	1.744	ug/L	97
34) Benzene	8.32	78	1685366	23.572	ug/L	100
35) Trichloroethene	9.09	95	414768	23.489	ug/L	98
44) Toluene	10.38	91	1749281	24.454	ug/L	99
49) 2-Hexanone	10.93	43	31905	3.266	ug/L #	61
52) Chlorobenzene	11.66	112	1024034	23.466	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	6229	0.373	ug/L #	55
69) Naphthalene	15.36	128	97662	2.886	ug/L #	91
70) 1,2,3-Trichlorobenzene	15.57	180	8949	0.581	ug/L #	20

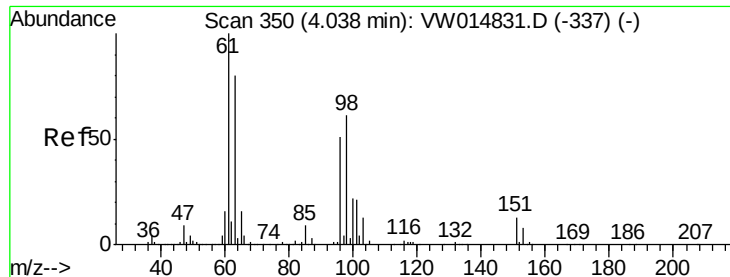
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 20.531 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014839.D

Acq: 03 Feb 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

GAT46MSD

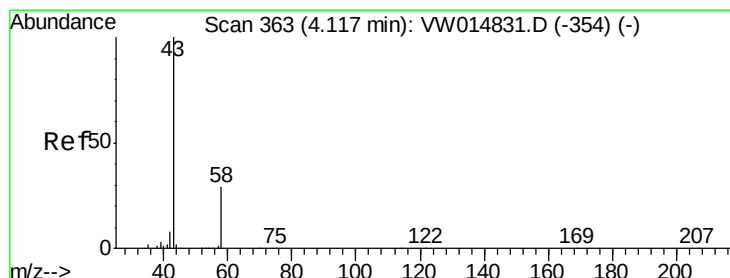
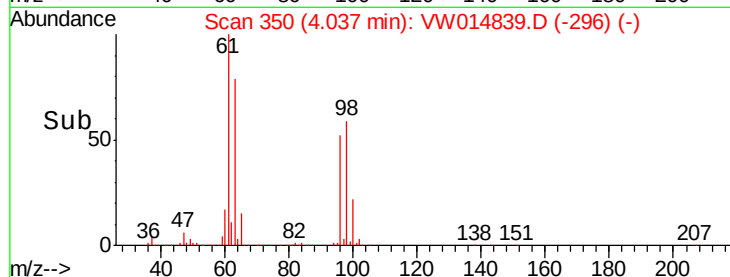
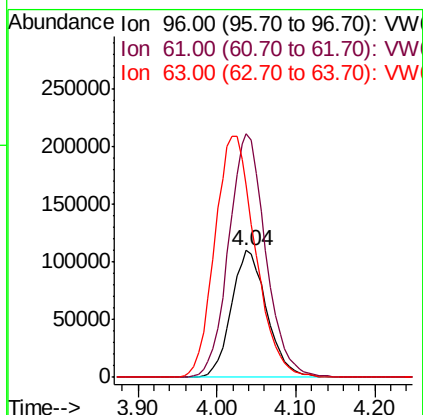
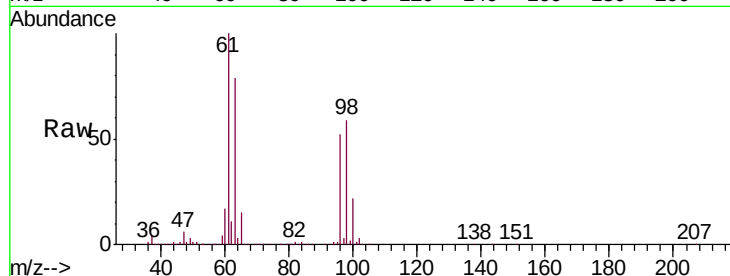
Tgt Ion: 96 Resp: 344826

Ion Ratio Lower Upper

96 100

61 191.7 131.5 244.3

63 151.0 98.8 183.4



#13

Acetone

Concen: 2.548 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014839.D

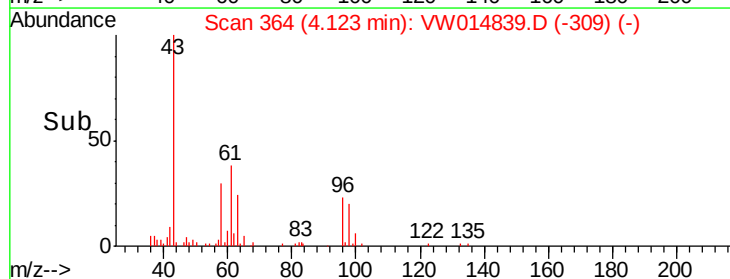
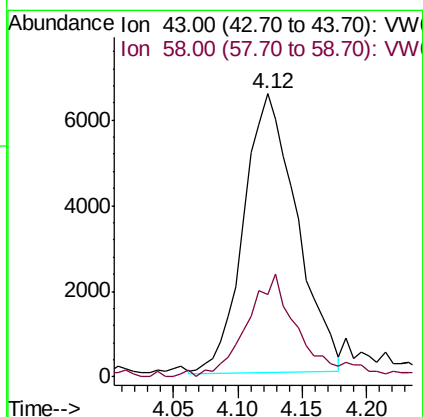
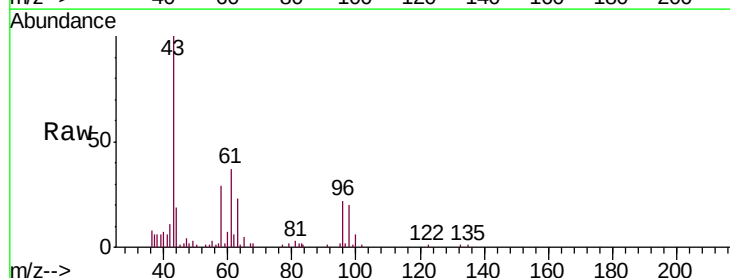
Acq: 03 Feb 2020 17:23

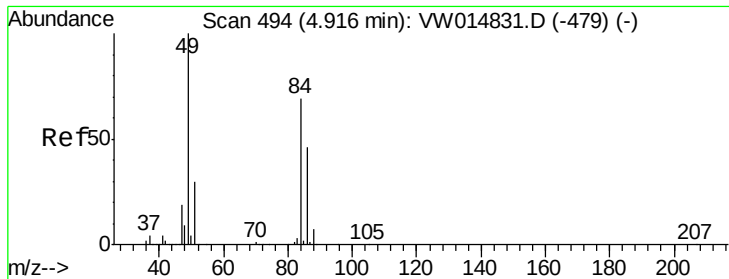
Tgt Ion: 43 Resp: 18657

Ion Ratio Lower Upper

43 100

58 33.4 0.0 60.2

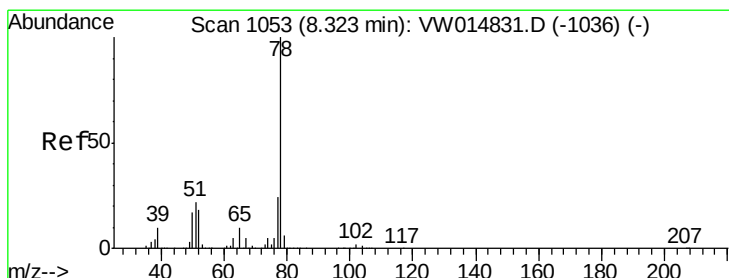
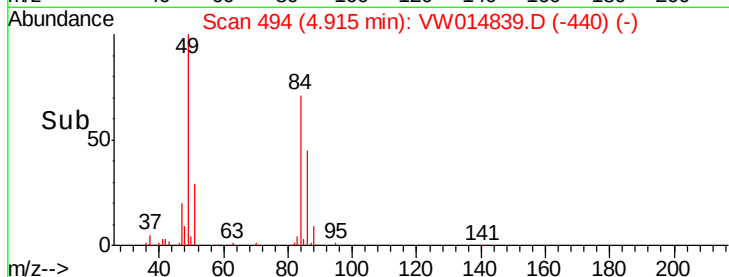
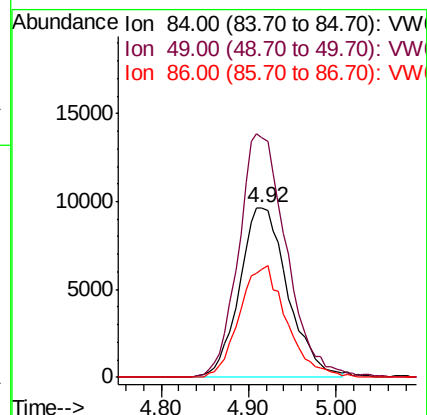
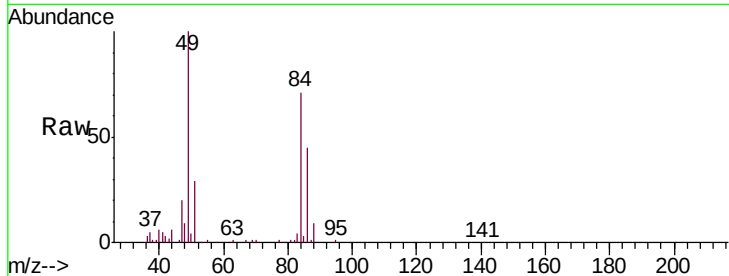




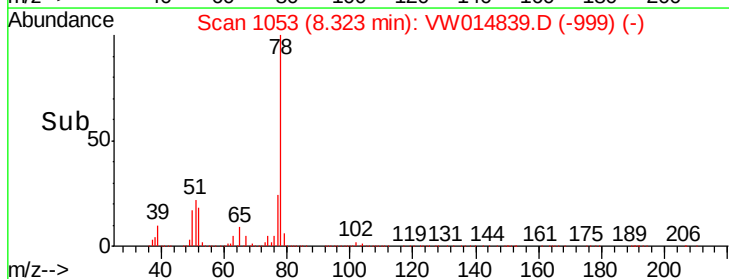
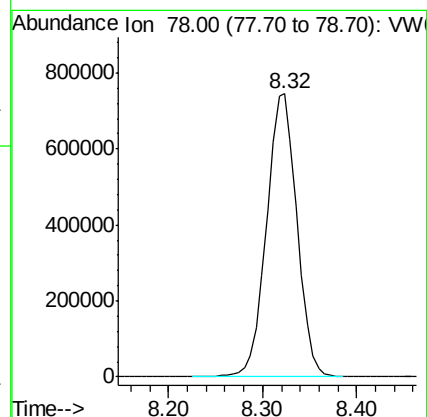
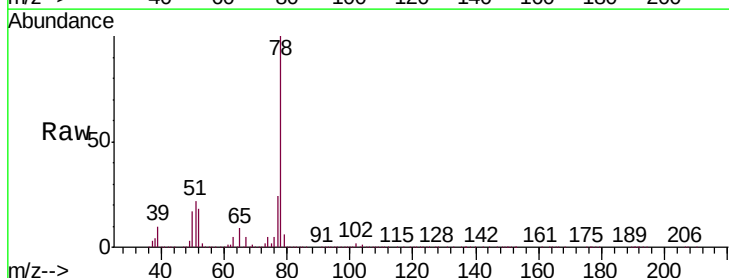
#16
Methylene chloride
Concen: 1.744 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014839.D
Acq: 03 Feb 2020 17:23

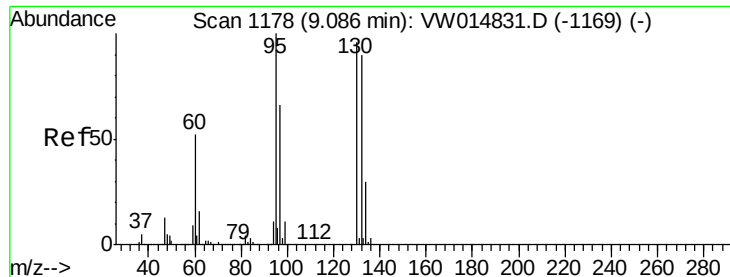
Instrument :
MSVOA_W
ClientSampled :
GAT46MSD

Tgt Ion: 84 Resp: 37028
Ion Ratio Lower Upper
84 100
49 141.7 96.6 179.4
86 63.7 43.8 81.4



#34
Benzene
Concen: 23.572 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014839.D
Acq: 03 Feb 2020 17:23
Tgt Ion: 78 Resp: 1685366





#35

Trichloroethene

Concen: 23.489 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014839.D

Acq: 03 Feb 2020 17:23

Instrument :

MSVOA_W

ClientSampleId :

GAT46MSD

Tgt Ion: 95 Resp: 414768

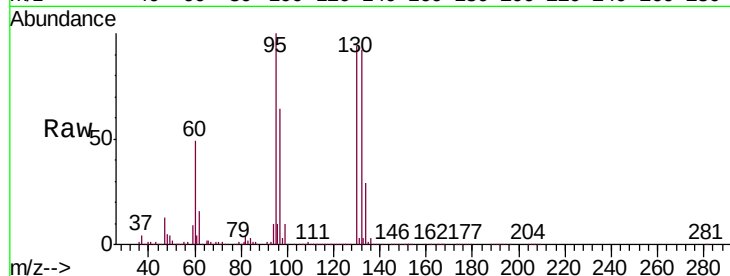
Ion Ratio Lower Upper

95 100

97 64.1 44.4 82.5

132 91.2 64.3 119.5

130 93.8 67.6 125.6



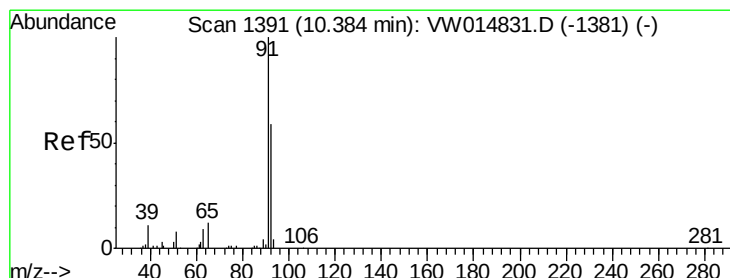
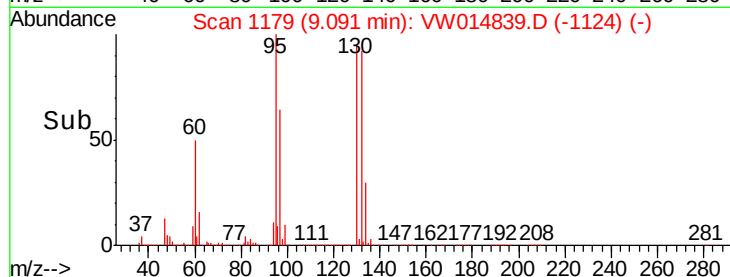
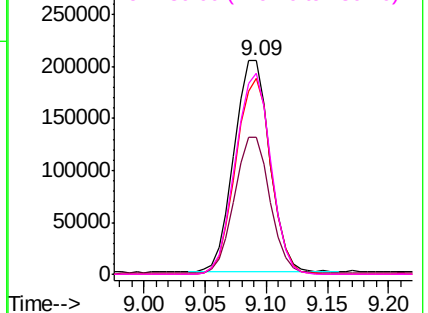
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

Toluene

Concen: 24.454 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014839.D

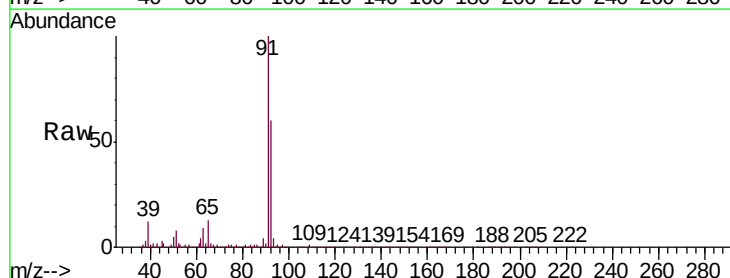
Acq: 03 Feb 2020 17:23

Tgt Ion: 91 Resp: 1749281

Ion Ratio Lower Upper

91 100

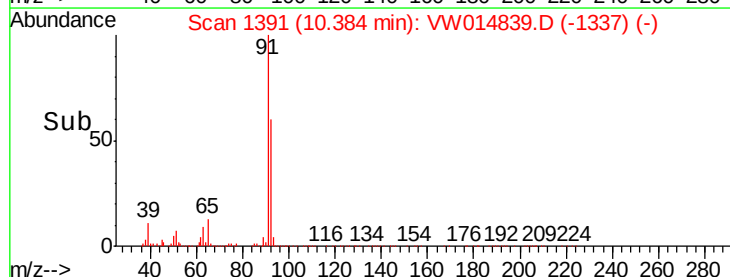
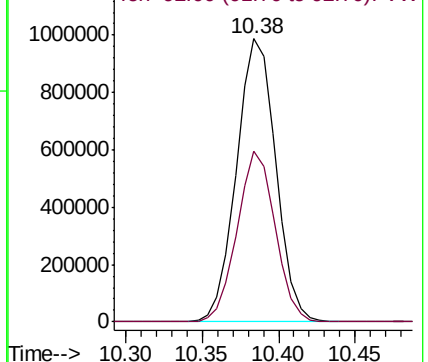
92 60.1 41.6 77.2

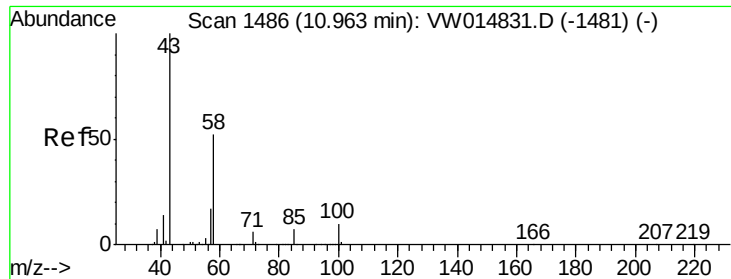


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

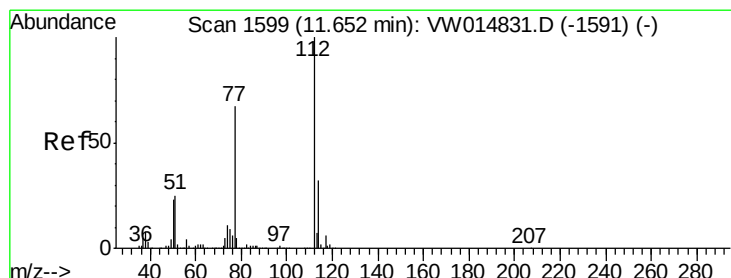
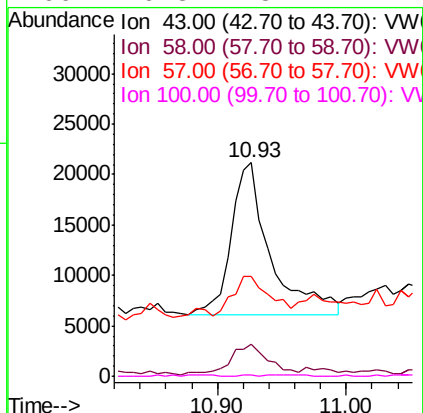
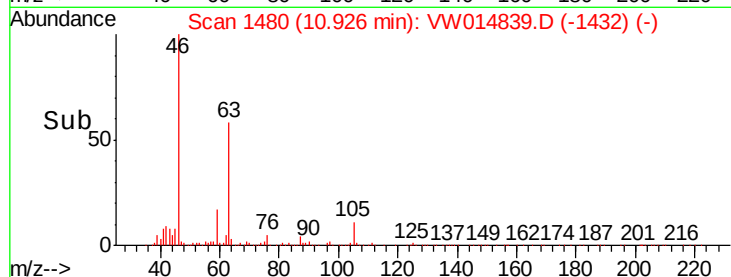
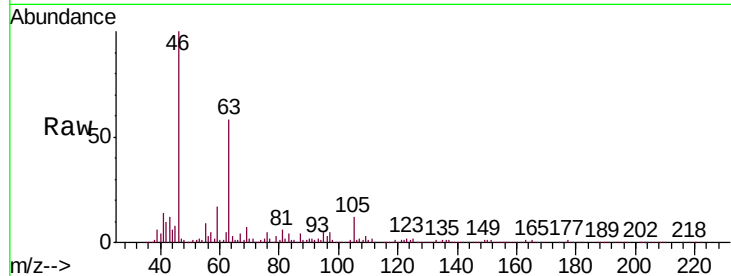




#49
2-Hexanone
Concen: 3.266 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW014839.D
Acq: 03 Feb 2020 17:23

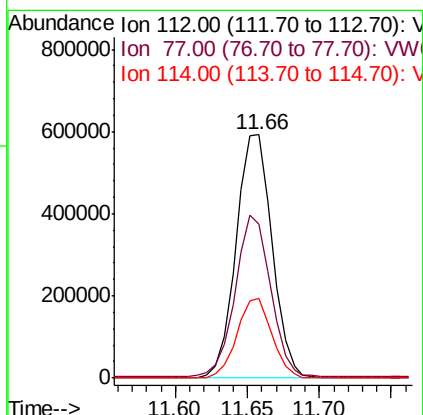
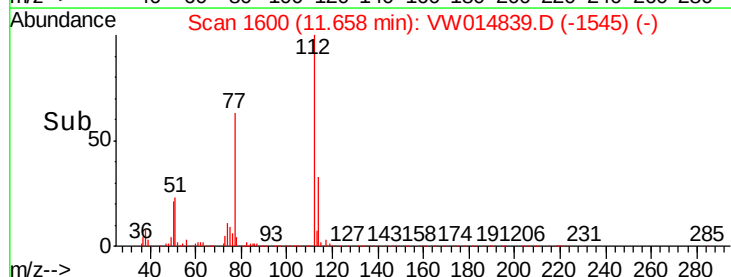
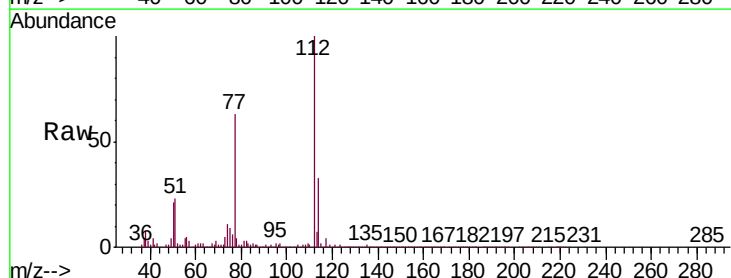
Instrument :
MSVOA_W
ClientSampleId :
GAT46MSD

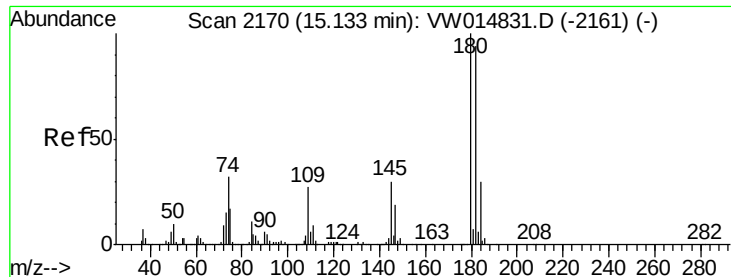
Tgt Ion:	43	Resp:	31905
Ion	Ratio	Lower	Upper
43	100		
58	15.9	41.1	61.7#
57	23.8	14.1	21.1#
100	0.3	8.1	12.1#



#52
Chlorobenzene
Concen: 23.466 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW014839.D
Acq: 03 Feb 2020 17:23

Tgt Ion:	112	Resp:	1024034
Ion	Ratio	Lower	Upper
112	100		
77	63.5	49.8	74.8
114	32.9	22.1	41.1

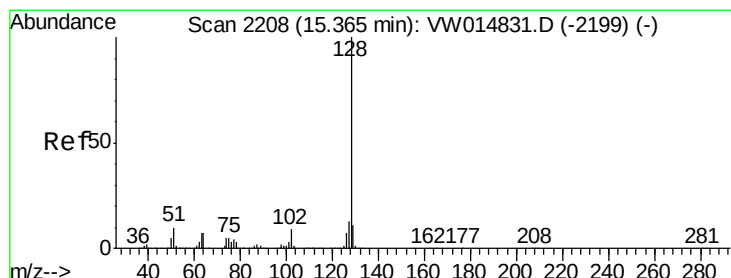
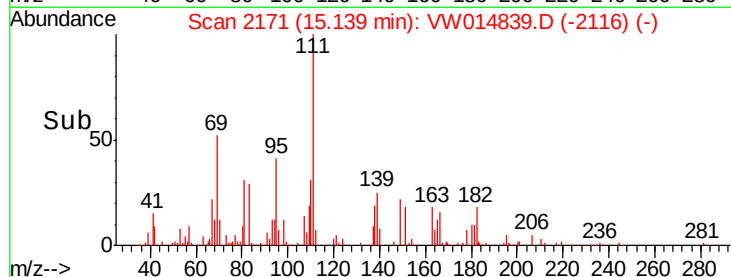
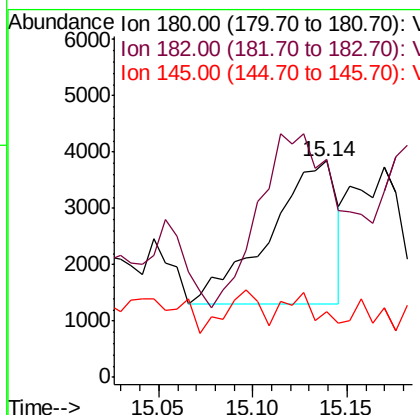
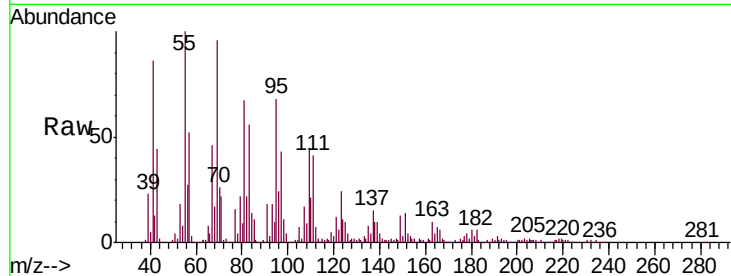




#68
 1,2,4-trichlorobenzene
 Concen: 0.373 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW014839.D
 Acq: 03 Feb 2020 17:23

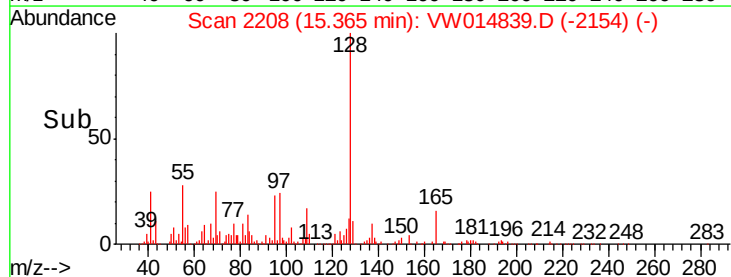
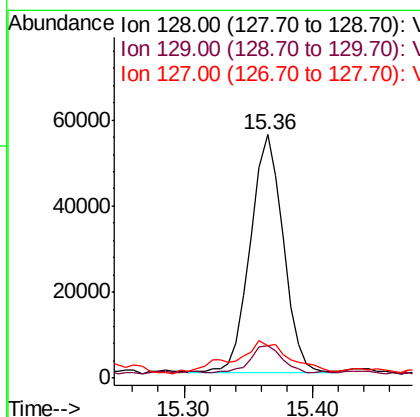
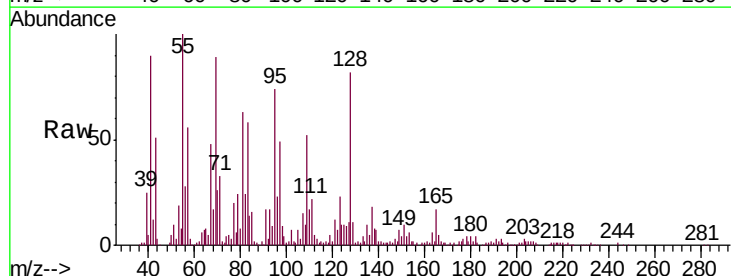
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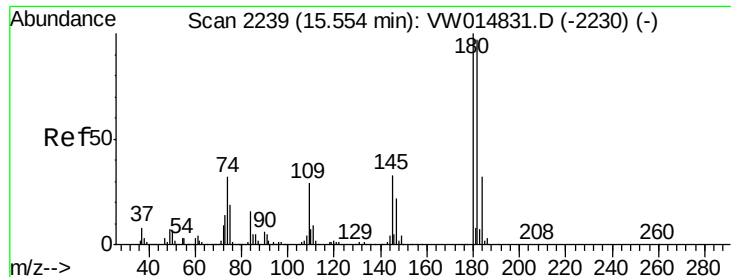
Tgt Ion:180 Resp: 6229
 Ion Ratio Lower Upper
 180 100
 182 138.6 74.7 112.1#
 145 8.5 24.1 36.1#



#69
 Naphthalene
 Concen: 2.886 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014839.D
 Acq: 03 Feb 2020 17:23

Tgt Ion:128 Resp: 97662
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.7 13.1
 127 18.5 10.6 15.8#

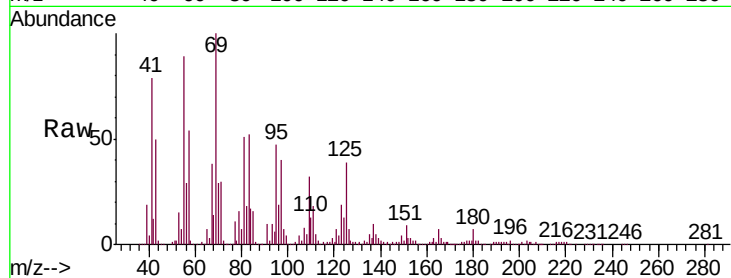




#70
 1,2,3-Trichlorobenzene
 Concen: 0.581 ug/L
 RT: 15.57 min Scan# 2242
 Delta R.T. 0.02 min
 Lab File: VW014839.D
 Acq: 03 Feb 2020 17:23

Instrument :
 MSVOA_W
 ClientSampleId :
 GAT46MSD

Tgt Ion:180 Resp: 8949
 Ion Ratio Lower Upper
 180 100
 182 5.5 76.4 114.6#
 145 7.3 25.7 38.5#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

